

## **Saturday, September 10th 2016 (Kevin Chen)**

Objective: Zymoclean and Golden-gate Assembly Biobrick Compatible Hypoxia 670

1. Zymoclean and concentrate kit for PCR products of Hypoxia 670 BBC
2. Golden gated using Bsa.

Objective: resuspend primers

1. Primers 77, 78, 79, 80, 81, 83, 85, 86, 87, 88 resuspended in water at both 100 uL and 10 uL, all in Plasmid box 2

## **Monday, September 12th 2016**

Transferred cultures of violacein to new tube at 30 degrees C, 4 hours.

Added 1 mM IPTG

Grew new cultures of violacein + MG1655 for 18 hours at 37 degrees Celsius

Grew new cultures of hypoxia BC GG GC 100 uL

## **Tuesday, September 13th 2016**

1. Miniprep hypoxia 670 BC GG GC and sent for sequencing with primers VF and VR
2. Seeded 2 50 mL LB/Amp (100) w/ 500 uL violacein culture and 500 uL MG 1655 each.
3. Incubated at 3 h at 30 C, 250 rpm.
4. Poured 1.5% agarose gel for 5 uL of DNA, 110 V for 25 minutes.
5. Added 50 uL of 1 M IPTG into 50 mL violacein culture
6. Incubated at 30 degrees Celsius for 20 h at 250 rpm.
7. Zymocleaned and stored at -20 degrees Celsius in Parts in Progress Box